			
Notice of Allowability	Application No.	Applicant(s)	
	10/080,396	SHI ET AL.	
	Examiner	Art Unit	7
	Connie C. Yoha	2818	A P
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3 1. \(\infty\) This communication is responsive to amendment filed 1:	S (OR REMAINS) CLOSED in 5) or other appropriate community RIGHTS. This application is self-self-self-self-self-self-self-self-	n this application. If not inclu unication will be mailed in du	ded e course. THIS
<u> </u>	<u>, , , , , , , , , , , , , , , , , , , </u>		
2. X The allowed claim(s) is/are <u>5-8 and 10-14</u> .			
3. $igotimes$ The drawings filed on 22 February 2002 are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be substituted in the substitute of the substitute of the priority of the certified copies of the priority of the certified copies of the priority of the substitute of the priority of the substitute of the substitute of the priority of	er's Amendment / Comment of the header according to 37 CF posit of BIOLOGICAL MATI	on No In this national stage application this national stage application are reply complying with the reply complying and complying are reply complying with the replying and complying are reply complying with the replying are reply complying and replying are reply complying are rephysically complying are reply complying are reply complying are	equirements NOTICE OF
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SE Paper No./Mail Date	6. Interview S Paper No./ 8/08), 7. Examiner's	formal Patent Application (P ummary (PTO-413), /Mail Date Amendment/Comment	TO-152)
 Examiner's Comment Regarding Requirement for Deposi of Biological Material 	9. Other CONNIE	Statement of Reasons for Al C. YOHA EXAMINER	llowance

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DETAILED ACTION

Response to Arguments

1. Examiner took notice of the remarks and amendments made by applicant filed on 11/4/03.

Response to Amendment

2. This office action is in response to Amendment filed on 11/4/03.

Claim 5, 8, and 10 are amended.

Claims 1-4 and 9 are canceled.

Claims 13 and 14 are newly added.

3. Claims 5-8, and 10-14 are pending.

Allowable Subject Matter

- 4. Claims 5-8, and 10-14 are allowed.
- 5. Claims 5-8, and 10-14 are considered allowable since prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations of a magnetic memory unit having in combination with other features, wherein the plurality of magnetic tunneling junctions includes six magnetic tunneling junctions and wherein the magnetic memory is capable of storing eight bits. Prior also does not teach wherein the plurality of magnetic tunneling junctions includes eleven magnetic tunneling junctions and wherein the magnetic memory is capable of storing sixteen bits.

Prior does not teach the method for using a magnetic memory cell having in combination with other steps, of programming a reference magnetic tunneling junction. Because the reference magnetic tunneling junction is programmed, it allows the magnetic tunneling junctions

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to storing a greater number of bits in the magnetic tunneling junction, such as the number of bits being greater than the first number plus one.

Conclusion

- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to whose telephone number is (571) 272-1799. The examiner can normally be reached on Mon. Fri. from 8:00 A.M. to 5:30 PM. The examiner's supervisor, David Nelms, can be reached at (571) 272-1787. The fax phone number for this Group is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-0956.
- 7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov Should you have questions on access to the Private Pair system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

C.Yoha

March 2004

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